This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 **(currently amended)** A glass comprising:

Oxide	Mole %
SiO_2	35 – 75
GeO_2	0-10
B_2O_3	0 – 8
Al_2O_3	0 – 8
Li_2O	>0 – 25
Na_2O	0 – 60
K_2O	0 – 6
MgO	0[[- 35]]
Σ BaO, SrO, CaO, ZnO, PbO	0 – 10
TiO_2	0 – 5
La_2O_3	0 – 30
RE_2O_3	0 – 12
Y_2O_3	>0 – 30
As_2O_3	0 – 0.5
F	0 – 5
Sum R_2O_3, R=Al, B, La and RE	0 – 40

wherein RE represents rare earth ions, excluding La.

Claim 2 **(currently amended)** A glass according to claim 1, having the following properties:

Property	Range
n_d	>1.5
T(%) at 1550 nm for 1.0 mm	>88
CTE (-30 to +70°C) x $10^{-7}/^0C$	≥ 90, especially ≥110
E (GPa)	> 80
Tg (°C)	≥ 350

Claim 3 **(currently amended)** A glass according to claim 1, comprising:

Oxide	Mole %
SiO_2	40 – 70
GeO_2	0-5
B_2O_3	0 – 5
Al_2O_3	0 – 5
Li_2O	>0 – 25
Na_2O	0 – 35
K_2O	0 – 5
MgO	0[[– 25]]
Σ BaO, SrO, CaO, ZnO, PbO	0 – 5
TiO_2	0 – 3
La_2O_3	0 – 12
RE_2O_3	0 – 10
Y_2O_3	>0 – 25

As_2O_3	0 – 0.3
F	0 – 3
Sum R_2O_3, R=Al, B, La and RE	0 – 40

Claim 4 **(currently amended)** A glass according to claim 3, having the following properties:

Property	**Range**
n_d	**1.50 - 1.70, especially 1.50 - 1.65**
T(%) at 1550 nm for 1.0 mm	**>90**
CTE (-30 to +70°C) x 10^{-7}/°C	**>100, especially >110**
Tg (°C)	**≥ 400**
E [GPa]	**>85**

Claim 5 **(currently amended)** A glass comprising:

Oxide	**Mole %**
SiO_2	40-60
GeO_2	0-10
B_2O_3	0-10
Al_2O_3	0-4
Li_2O	>0-26
Na_2O	>0-26

K_2O	0-15
MgO	0[[-15]]
Σ BaO, SrO, CaO, ZnO, PbO	0-10
TiO_2	0-9
ZrO_2	0-2
La_2O_3	0-4
Re_2O_3	0-4
Y_2O_3	>0-5
Sc_2O_3	0-4
Nb_2O_5	0-2
F	0-5
Σ R_2O_3, R=Al, B, La, and RE	0-25
As_2O_3	0-0.5

wherein RE represents rare earth ions, excluding La.

Claim 6 **(currently amended)** A glass according to claim 5, having the following properties:

Property	**Range**
n_d	> 1.5
T(%) at 1550 nm for 1.0 mm	> 88
CTE (-30 to +70°C) x $10^{-7}/^0C$	≥ 90
E (GPa)	> 80
Tg (°C)	≥ 350

Claim 7 **(currently amended)** A glass according to claim 5 comprising:

Oxide	Mole %
SiO_2	45-55
GeO_2	0-5
B_2O_3	0-8
Al_2O_3	0-2
Li_2O	>0-17
Na_2O	>0-19
K_2O	0-6
MgO	0[[-13]]
Σ BaO, SrO,CaO, ZnO, PbO	0-5
TiO_2	0-5
ZrO_2	0-1
La_2O_3	0-3
RE_2O_3	0-3
Y_2O_3	>0-4.5
Sc_2O_3	0-3
Nb_2O_5	0-1
F	0-3
Σ R_2O_3, R=Al, B, La, and RE	0-15
As_2O_3	0-0.3

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Claim 8 **(currently amended)** A glass according to claim 7, having the following properties:

Property	Range
n_d	1.50-1.70
T(%) at 1550 nm for 1.0 mm	> 90
CTE (-30 to +70°C) x $10^{-7}/^0C$	≥ 100
Tg (°C)	≥ 400
E [GPa]	> 85

Claim 9 **(currently amended)** A glass comprising:

Oxide	Mole %
SiO_2	45.0-58.0
B_2O_3	0.0-5.0
$A1_2O_3$	0.0-3.0
Li20	6.5-16.5
Na_2O	7.0-24.0
K_2O	0.0-12.0
MgO	0.0[[-8.0]]
CaO	0.0-8.0

SrO	0.0-8.0
BaO	0.0-8.0
TiO_2	0.0-12.0
ZrO_2	0.5-5.5
Ta_2O_5	0.0-1.0
$Gd_2O_3 + La_2O_3 + Y_2O_3$	2.70-3.30
As_2O_3	0.0-0.15

wherein RE represents rare earth ions, excluding La.

Claim 10 **(currently amended)** A glass according to claim 9, having the following properties:

Property	**Range**
n_d	**>1.5**
T(%) at 1550 nm for 1.0 mm	**>88**
CTE (-30 to +70°C) x 10^{-7}/°C	**≥90**
E (GPa)	**>80**
Tg (°C)	**400-485**

Claim 11 **(currently amended)** A glass according to claim 9, comprising:

Oxide	**Mole %**
SiO_2	46.0-52.0
Al_2O_3	0.0-1.5
B_2O_3	0.0-1.0
Li_2O	7.0-16.0
Na_2O	7.0-20.0
K_2O	4.0-12.0
MgO	0.0[[-7.5]]
CaO	0.0-7.5

SrO	0.0-7.5
BaO	0.0-7.5
TiO_2	1.0-10.5
ZrO_2	1.5-5.0
$Ta2O_5$	0.3-0.7
$La_2O_3 + Gd_2O_3 + Y_2O_3$	2.6-2.9
As_2O_3	0.0-0.15

Claim 12 **(currently amended)** A glass according to claim 11, having the following properties:

Property	**Range**
n_d	**1.50 - 1.70**
T(%) at 1550 nm for 1.0 mm	**>88**
CTE (-30 to +70°C) x 10^{-7}/°C	**>100**
Tg (°C)	**415-480**
E [GPa]	**>80**

Claim 13 **(withdrawn)** An interference filter comprising a glass substrate having at least two interference layers coated thereon, wherein the glass substrate is a glass according to claim 1.

Claim 14 **(withdrawn)** An interference filter comprising a glass substrate having at least two interference layers coated thereon, wherein the glass substrate is a glass according to claim 5.

Claim 15 **(withdrawn)** An interference filter comprising a glass substrate having at least two interference layers coated thereon, wherein the glass substrate is a glass according to claim 9.

Claim 16 **(withdrawn)** A fiber optic system comprising a light source, a fiber optic transmission component, a receiver of transmitted radiation and an interference filter comprising a glass substrate having at least two interference layers coated thereon, said glass substrate comprising a glass according to claim 1.

Claim 17 **(withdrawn)** A fiber optic system comprising a light source, a fiber optic transmission component, a receiver of transmitted radiation and an interference filter comprising a glass substrate having at least two interference layers coated thereon, said glass substrate comprising a glass according to claim 5.

Claim 18 **(withdrawn)** A fiber optic system comprising a light source, a fiber optic transmission component, a receiver of transmitted radiation and an interference filter comprising a glass substrate having at least two interference layers coated thereon, said glass substrate comprising a glass according to claim 9.

Claim 19 **(withdrawn)** A process for making a glass according to claim 1, comprising melting raw materials corresponding to oxides in the glass, refining a resultant glass melt, casting the melt in a mold and optionally annealing.

Claim 20 **(withdrawn)** A process for making a glass according to claim 1, comprising casting into a mold a glass melt produced from raw materials corresponding to oxides in the glass.

Claim 21 **(withdrawn)** A process for making a glass according to claim 5, comprising casting into a mold a glass melt produced from raw materials corresponding to oxides in the glass.

Claim 22 **(withdrawn)** A process for making a glass according to claim 9, comprising casting into a mold a glass melt produced from raw materials corresponding to oxides in the glass.

Claim 23 **(withdrawn)** A demultiplexing optical component comprising the interference filter of claim 13.

Claim 24 **(withdrawn)** A demultiplexing optical component comprising the interference filter of claim 14.

Claim 25 **(withdrawn)** A demultiplexing optical component comprising the interference filter of claim 15.

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Claim 26 **(withdrawn)** A method of demultiplexing, comprising passing an optical signal of multiple wavelengths through a demultiplexing optical component according to claim 23.

Claim 27 **(withdrawn)** A method of demultiplexing, comprising passing an optical signal of multiple wavelengths through a demultiplexing optical component according to claim 24.

Claim 28 **(withdrawn)** A method of demultiplexing, comprising passing an optical signal of multiple wavelengths through a demultiplexing optical component according to claim 25.